Performance Data Sheet

AWG5532EVA

General Information

Model	AWG5532EVA	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	220V ~ 50HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	7060	6260					
	Watts	1150	1210					
	Amps	6.47	6.76					
	Lb/h	90.4	83.9					
-10	Btu/h	8740	7880	6980				
	Watts	1240	1300	1340				
	Amps	6.81	7.13	7.34				
	Lb/h	112	105	97.3				
-5	Btu/h	10500	9570	8600	7630			
	Watts	1320	1390	1450	1470			
	Amps	7.13	7.48	7.73	7.88			
	Lb/h	133	127	119	110			
0	Btu/h	12300	11300	10300	9230	8210		
	Watts	1390	1480	1540	1580	1610		
	Amps	7.43	7.81	8.10	8.30	8.40		
	Lb/h	156	149	141	132	123		
5	Btu/h	14200	13200	12100	10900	9800		
	Watts	1460	1550	1630	1690	1730		
	Amps	7.70	8.12	8.45	8.70	8.87		
	Lb/h	179	172	164	155	146		
10	Btu/h	16300	15200	13900	12700	11500	10300	9260
	Watts	1520	1630	1720	1790	1840	1890	1910
	Amps	7.96	8.40	8.78	9.08	9.31	9.48	9.57
	Lb/h	204	197	188	179	169	160	151
15	Btu/h	18500	17300	16000	14600	13300	12000	10800
	Watts	1570	1690	1800	1880	1950	2010	2060
	Amps	8.19	8.67	9.09	9.45	9.74	9.98	10.2
	Lb/h	230	223	214	204	194	184	175
20	Btu/h	20900	19600	18100	16700	15200	13800	12500
	Watts	1620	1750	1870	1970	2060	2130	2200
	Amps	8.40	8.91	9.38	9.79	10.2	10.5	10.7
	Lb/h	258	251	241	231	221	210	200

25	Btu/h	23500	22000	20500	18900	17300	15800	14300
	Watts	1670	1810	1940	2050	2150	2250	2330
	Amps	8.58	9.14	9.65	10.1	10.6	10.9	11.3
	Lb/h	288	280	271	260	249	238	228
30	Btu/h	26300	24700	23000	21300	19600	17900	16300
	Watts	1710	1860	2000	2130	2250	2360	2460
	Amps	8.75	9.34	9.90	10.4	10.9	11.4	11.9
	Lb/h	321	312	303	292	280	268	257
35	Btu/h	29400	27600	25800	23900	22000	20200	18400
	Watts	1750	1910	2060	2200	2330	2460	2590
	Amps	8.89	9.52	10.1	10.7	11.3	11.9	12.4
	Lb/h	356	347	337	325	313	301	289
40	Btu/h	32700	30800	28800	26800	24700	22700	20800
	Watts	1780	1950	2110	2270	2420	2560	2710
	Amps	9.02	9.69	10.3	11.0	11.6	12.3	12.9
	Lb/h	393	385	374	362	349	336	324
45	Btu/h	36300	34200	32100	29900	27700	25500	23400
	Watts	1800	1980	2160	2330	2500	2660	2820
	Amps	9.12	9.83	10.5	11.3	12.0	12.7	13.4
	Lb/h	434	425	414	402	388	375	361
50	Btu/h	40200	38000	35700	33300	30900	28500	26200
	Watts	1820	2020	2200	2390	2570	2750	2930
	Amps	9.20	9.96	10.7	11.5	12.3	13.1	13.9
	Lb/h	479	469	457	444	430	416	402
55	Btu/h	44500	42000	39500	37000	34400	31800	29300
	Watts	1840	2040	2240	2440	2640	2840	3040
	Amps	9.26	10.1	10.9	11.7	12.6	13.5	14.4
	Lb/h	527	516	504	491	476	461	446

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.351281E+04	-3.285615E+02	9.764200E-01	1.063967E+02
C2	4.643227E+02	9.867483E+00	8.234629E-02	4.284964E+00
C3	1.070482E+02	3.465971E+01	1.191233E-01	2.398268E+00
C4	3.757969E+00	-1.153075E-01	-6.530429E-04	2.411985E-02
C5	-7.698043E-01	-8.866469E-02	-1.145044E-03	9.621614E-03
C6	-2.057430E+00	-1.863085E-01	-4.890327E-04	-2.912890E-02
C7	2.959473E-02	1.853260E-04	2.741531E-07	3.516681E-04
C8	-1.987622E-02	-2.518422E-05	2.533705E-06	-5.237204E-05
C9	-4.231169E-03	1.765674E-03	1.039313E-05	-7.399461E-05
C10	6.642620E-03	2.669589E-04	1.008544E-07	8.593919E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AWG5532EVA

General Information

Model	AWG5532EVA	**Refrigerant**	R-22
Test Condition	ARI	**Performance Test Voltage**	265V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	8310	7350					
	Watts	1470	1490					
	Amps	6.09	6.20					
	Lb/h	107	98.4					
-10	Btu/h	10100	9050	8010				
	Watts	1580	1610	1630				
	Amps	6.46	6.60	6.70				
	Lb/h	129	121	111				
-5	Btu/h	12000	10900	9810	8710			
	Watts	1690	1730	1760	1790			
	Amps	6.81	6.99	7.12	7.22			
	Lb/h	154	145	135	125			
0	Btu/h	14200	13000	11800	10600	9420		
	Watts	1790	1840	1890	1930	1950		
	Amps	7.16	7.36	7.54	7.68	7.78		
	Lb/h	180	171	161	151	141		
5	Btu/h	16500	15200	13900	12600	11300		
	Watts	1880	1950	2010	2060	2100		
	Amps	7.49	7.73	7.94	8.13	8.29		
	Lb/h	208	199	189	179	169		
10	Btu/h	19100	17700	16300	14800	13400	12100	10800
	Watts	1970	2050	2130	2190	2250	2300	2330
	Amps	7.80	8.08	8.34	8.58	8.79	8.96	9.08
	Lb/h	239	230	220	209	198	187	177
15	Btu/h	21900	20400	18800	17300	15700	14200	12800
	Watts	2050	2150	2230	2320	2390	2460	2510
	Amps	8.10	8.41	8.72	9.00	9.27	9.51	9.71
	Lb/h	272	262	252	241	230	219	208
20	Btu/h	24900	23200	21600	19900	18200	16600	15000
	Watts	2130	2240	2340	2430	2520	2610	2680
	Amps	8.38	8.73	9.08	9.42	9.75	10.0	10.3
	Lb/h	307	297	287	276	264	252	241

25	Btu/h	28100	26300	24500	22700	20800	19100	17300
	Watts	2200	2320	2430	2540	2650	2750	2850
	Amps	8.64	9.03	9.42	9.82	10.2	10.6	10.9
	Lb/h	344	335	324	313	300	288	276
30	Btu/h	31500	29600	27700	25700	23700	21700	19800
	Watts	2270	2390	2520	2650	2770	2890	3010
	Amps	8.88	9.31	9.75	10.2	10.6	11.1	11.5
	Lb/h	384	374	364	352	339	326	314
35	Btu/h	35200	33200	31000	28900	26800	24600	22600
	Watts	2330	2470	2610	2750	2890	3020	3160
	Amps	9.10	9.56	10.1	10.6	11.1	11.6	12.1
	Lb/h	426	417	405	393	380	367	353
40	Btu/h	39100	36900	34700	32300	30000	27700	25400
	Watts	2380	2530	2680	2840	3000	3150	3300
	Amps	9.29	9.80	10.3	10.9	11.5	12.0	12.6
	Lb/h	471	461	450	437	424	410	396
45	Btu/h	43300	40900	38500	36000	33500	31000	28500
	Watts	2430	2590	2760	2930	3100	3270	3440
	Amps	9.45	10.0	10.6	11.2	11.8	12.5	13.2
	Lb/h	519	508	497	484	470	455	441
50	Btu/h	47700	45200	42600	39900	37200	34500	31800
	Watts	2470	2640	2820	3010	3190	3380	3570
	Amps	9.59	10.2	10.8	11.5	12.2	12.9	13.7
	Lb/h	569	558	546	533	519	503	488
55	Btu/h	52400	49700	46900	44000	41100	38200	35300
	Watts	2500	2690	2880	3080	3280	3490	3700
	Amps	9.70	10.3	11.0	11.8	12.5	13.3	14.2
	Lb/h	621	611	598	585	570	554	538

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.011901E+04	1.212232E+03	5.573860E+00	1.865257E+02
C2	5.486094E+02	1.033215E+01	6.601410E-02	4.949968E+00
C3	-7.012314E-01	6.836853E+00	8.980342E-03	1.012153E+00
C4	5.356590E+00	-1.040701E-01	-4.508110E-04	4.452549E-02
C5	-6.821739E-01	-2.786369E-03	-5.590340E-04	1.378848E-02
C6	-1.278836E+00	2.481764E-02	2.491811E-04	-1.792872E-02
C7	7.860629E-03	-3.996236E-05	-2.203204E-06	6.967774E-05
C8	-1.674151E-02	-1.547641E-04	2.323783E-06	-2.373548E-05
C9	-6.819859E-03	1.462630E-03	7.203656E-06	-9.125597E-05
C10	4.514378E-03	-2.532054E-04	-1.424310E-06	5.282824E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature